

CLAIMS

1. A cosmetic treatment process for improving and/or protecting the human skin, scalp and/or mucous membrane, characterized in that a preparation containing at least one substance which modulates proteoglycans is topically applied.
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2. A cosmetic treatment process for improving and/or protecting the human skin, scalp and/or mucous membrane, characterized in that a preparation containing at least one substance which modulates lumican and/or syndecan and/or versican and/or decorin and/or glypican and/or biglycan is topically applied.
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3. The use of a substance which modulates lumican and/or syndecan and/or versican and/or decorin and/or glypican and/or biglycan for the production of cosmetic preparations for protecting the human skin, scalp and/or mucous membrane against ageing.
- 15 4. The use of a substance which modulates lumican and/or syndecan and/or versican and/or decorin and/or glypican and/or biglycan for the production of cosmetic preparations for protecting the human skin, scalp and/or mucous membrane against toxic environmental influences.
- 20 5. The use of a substance which modulates lumican and/or syndecan and/or versican and/or decorin and/or glypican and/or biglycan for the production of cosmetic preparations for protecting the human skin, scalp and/or mucous membrane for the production of cosmetic preparations for protecting the human skin, scalp and/or mucous membrane against damage by UV light.
- 25 6. The use of a substance which modulates lumican and/or syndecan and/or versican and/or decorin and/or glypican and/or biglycan for the production of cosmetic preparations for protecting the human skin, scalp and/or mucous membrane against oxidative stress
- 30 7. The use of a substance which modulates lumican and/or syndecan and/or versican and/or decorin and/or glypican and/or biglycan for the

production of dermatopharmaceutical preparations for improving wound healing.

8. The use of a substance which modulates lumican and/or syndecan and/or versican and/or decorin and/or glypican and/or biglycan for the production of cosmetic preparations for improving the functions of the dermal/epidermal junctions.

9. The use of a substance which modulates lumican and/or syndecan and/or versican and/or decorin and/or glypican and/or biglycan for the production of dermatopharmaceutical preparations for treating alopecia, cellulitis or roseacea.

10. The use claimed in at least one of claims 3 to 9, characterized in that the substance which modulates lumican and/or syndecan and/or versican and/or decorin and/or glypican and/or biglycan is a plant extract and/or an extract of microorganisms and/or a fermentation product of vegetable origin.

11. The use claimed in claim 10, characterized in that the plant extract is obtained from the plant *Pisum sativum* and/or *Vigna aconitifolia*.

12. The use claimed in at least one of claims 3 to 9, characterized in that the substance which modulates lumican and/or syndecan and/or versican and/or decorin and/or glypican and/or biglycan contains mannitol and/or cyclodextrin and/or yeast extract and/or disodium succinate.

13. The use claimed in at least one of claims 3 to 9, characterized in that the substance which modulates lumican and/or syndecan and/or versican and/or decorin and/or glypican and/or biglycan is selected from the group consisting of phytosterols, phytoestrogens, triterpenes, triterpene saponins and steroid saponins, peptides and flavonoids and flavonoid derivatives.

14. The use of growth factors for modulating lumican.

15. The use of IGF-1 (Insulin-like Growth Factor -1) for modulating lumican.

16. A cosmetic treatment process for improving and/or protecting the

human skin, scalp and/or mucous membrane, characterized in that a preparation containing growth factors which modulate lumican and/or syndecan and/or versican and/or decorin and/or glypican and/or biglycan is topically applied.

- 5 17. Cosmetic preparations containing at least one substance which modulates lumican and/or syndecan and/or versican and/or decorin and/or glypican and/or biglycan, UV protection factors and/or antioxidants.